

**LOCKS NO. 27 MISSISSIPPI RIVER**  
**FAILURE OF MAIN LOCK MITER GATE DIAGONAL TENSION RODS**  
**DAILY STATUS REPORT**

**JULY 29, 2004**

**[Changes since last Report in blue](#)**

**TOWS WAITING @ [0600](#)**

11 Northbound

6 Southbound

**SCHEDULE**

Original schedule was for closure on 12 July through 26 July. The closure was delayed due to high river stages. Closure began on 26 July with known restrictions. Due to the continued higher river stages, the adjacent ground water elevations will not permit the pumping of the lock chamber down low enough to expose the miter gate sill. The repair work is being planned to allow work on the top of the gate to begin first. This will allow additional time for the river and ground water levels to fall so we can pump the lock chamber lower and expose the miter gate sill. All repair work areas will be accessible at that time. It is anticipated that these changes will lengthen the closure by approximately 7 days.

**PREPARATION FOR DEWATERING**

The Service Base crew encountered problems with setting the first bulkhead in the downstream slots. The bulkhead did not seat correctly and failed to release from the picking beam. Additional inspections by the diver revealed additional loose and damaged embedded metal clearance problems. The diver will be clearing the obstructions and the bulkhead will be removed today. The bulkhead will be inspected for damage and the picking beam will be tested to insure correct operation.

**DEWATER LOCK CHAMBER**

Dewatering is anticipated to start on [7/30](#) and take 48 to 60 hours to reach minimum water levels inside the lock chamber.

**INSPECTION OF MITER GATES**

**REPAIR OF DIAGONAL TENSION RODS SCENARIO**